

STATEMENT OF WORK (SOW)

FOR REPAIR OF
TWO
RELIABLE AND MAINTAINABLE/REBUILD TO
STANDARD (RAM/RS) AAVP7A1 VEHICLES

NSN 2350-01-458-7410
SOW-01-834-1-07007C-1/2
12 January, 2001

STATEMENT OF WORK
FOR REPAIR OF TWO RAM/RS AAVP7A1 VEHICLES
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STATEMENT OF WORK
FOR REPAIR OF TWO RAM/RS AAVP7A1 VEHICLES
NSN 2350-01-458-7410

1.0 SCOPE. This Statement of Work (SOW), along with TM 09674A-25&P/4B establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor in the repair of the two damaged RAM/RS AAVP7A1 Vehicles from Camp Lejeune, NC. These documents contain minimum requirements to repair both vehicles, C302/ USMC# 523228 and C304/ USMC# 522747, to Condition Code "A". Condition Code "A" is defined as serviceable/issuable without qualification, new, used, repaired or reconditioned material which is serviceable and issuable to all customers without limitations or restrictions". The RAM/RS AAVP7A1 Vehicle is identified by National Stock Number (NSN) 2530-01-458-7410.

1.1 BACKGROUND. Repair is defined as that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable parts using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-129

DoD Standard Practice for Military Marking

2.2 Other Government Documents and Publications

ATPD-2241

Vehicles, Wheeled: Preparation for Shipment and Storage of

DoD 4160.21-M

Defense Materiel Disposition Manual

TM 2350-45

DMA Standard Procedures

TM 09674A-25&P/4B

Maintenance Instructions and Repair Parts List
Organizational, Intermediate and Depot, Assault
Amphibious Vehicle 7A1 Family of Vehicles and
RAM/RS

Naval Sea Systems Command Assault Amphibious Personnel Carrier, AAVP7A1-
Drawing 7010050 RAM

Naval Sea System Command Frame Section Structural Vehicular
Drawing 6227758

Naval Sea System Command AAV7A1 Bow Plane
Drawing 6227755

DoD 4000.25-1-M MILSTRIP Manual

NAVICPINST 4491.2A Requisitioning of Contractor Furnished Materiel
from the Federal Supply System

2.3 Military Handbooks (For Guidance)

MIL-HDBK-61 Configuration Management Guidance

2.4 Industry Standards

ANSI/ISO/ASQC Quality Systems-Model for Quality
Q9003-1994 Assurance in Final Inspection and Test

2.5 Industry Standards (For Guidance)

ANSI/EIA-649 National Consensus Standards for
Configuration Management

Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Document Automation and Product Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Commercial (215) 697-2179 or DSN 442-2179 or <http://www.dodssp.daps.mil>. Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commander, Marine Corps Logistics Bases, Attn: (Code 876), Albany, Georgia 31704-5000. Commercial (229) 639-5818/19, or DSN 567-5818/19. Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Life Cycle Management Center, Attn: (Code 851-3), Marine Corps Logistics Bases, 814 Radford Blvd, STE 20302 Albany Georgia 31704-3020, Commercial (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

a. Provide materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the RAM/RS AAVP7A1's fully operational. Upon completion of the repair, the RAM/RS AAVP7A1's shall be Condition Code "A".

b. The Contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the repair of the RAM/RS AAVP7A1's as specified in TM 09674A-25&P/4B, MIL-STD-129 and this SOW.

c. Ensure the RAM/RS AAVP7A1's meet the configuration of RAM/RS Drawing 7010050.

d. All mandatory replacement parts identified in TM 09674A-25&P/4B shall be replaced 100%. Economical replacement parts may be reused if they meet the applicable inspection requirements in TM 2350-45. All parts shall be disposed of in accordance with DoD 4160.21-M.

3.2 Detailed Tasks. The following tasks describe the different phases for the repair of the two RAM/RS AAVP7A1's.

3.2.1 Phase I - Repair The Contractor shall receive the two RAM/RS AAVP7A1's for repair. The Contractor shall disassemble the AAVP7A1's to the extent necessary for repair of the hull.

3.2.1.1 The Contractor shall prepare the hulls for repair by performing the following:

- a. Remove the grills and center plates.
- b. Remove the power plant.
- c. Remove the Ugunned Weapon Station.
- d. Remove the Fire Bottles.
- e. Remove the Batteries.
- f. Remove the Suspension Components.
- g. Remove the Final Drives.
- h. Remove the old external Bow Plane Kit Components.
- i. Remove the Ramp Assembly.
- j. Remove the Hydraulic Hoses and Electric Harnesses in the Bow Pod.
- k. Drain the Right Angle Drives and leave in vehicle.
- l. Drain and Flush Fuel Tank and leave in vehicle.
- m. Cap all lines and hoses.
- n. All items not removed shall be closed and secured.

3.2.1.2 During the repair of the hull by the Contractor shall test, repair, or if unservicable, replace the following items:

- a. Separate the Power Pack and Dyno the Transmission.
- b. Inspect integrity of Plenum Assembly.
- c. Inspect integrity of Bow Plane Actuator.
- d. Inspect integrity of Ramp.
- e. Repair Vision Blocks and Guards.
- f. Repair Cooling Tower's cracked and sheared inserts.
- g. Repair Headlight Assemblies.
- h. Assemble Power Pack and Ground Hop.

3.2.1.2.1 Specific work for Vehicle C302:

- a. Replace Bow Plane
- b. Replace Bow Plane Hinge and Pin on Port Side.
- c. Replace Ramp and Seal from a FY98 Vehicle.
- e. Repair/Replace both Engine and Transmission Mounts that are broken.
- f. Replace Surge Tank Strap on Cooling Tower.
- g. Repair/Replace Cooling Tower Air Duct.

3.2.1.2.2 Specific work for Vehicle C304:

- a. Replace Damaged Bow Plane Cylinder.
- b. Repair dent in Intake Plenum.
- c. Repair hole in Radiator.
- e. Repair Port Side Brake and Steering Housing.
- f. Repair Petcock on Engine After Cooler.
- g. Repair Drivers Seat.
- h. Check for leak in Oil Pan and repair or replace.

3.2.1.3 The Contractor shall be responsible for supplying all equipment, tools, test equipment, and materiel, except the Bow Plane Kit Components, for conducting this effort. The Bow Plane Kits may be obtained by contacting Life Cycle Management Center, Code 834-1, Marine Corps Logistics Bases, 814 Radford Blvd., Suite 20320, Albany, Georgia, 31704-0320, Telephone (229) 639-6586 when Kit is required for assembly. The Contractor shall be responsible for the integration and assembly of all components. The configuration identification for the RAM/RS AAVP7A1's is Drawing 7010050.

3.2.1.4 The hull shall have the bow pod assemblies removed, by mean/means consistent with good manufacturing practices, mimumizing damage to surrounding areas, protecting surrounding equipment and surfaces from cutter chips, flash burns and cutting touch spall. Straighten bow pod side plates. Fit-up and weld bow assembly . Install, fit-up and weld bow plane nose plate

P/N 6227758 per Naval Sea System Command Drawing 6227755. Pressure check the bow pod assemblies to verify no water leaks on the new outside weld joints, clean up work area. In hull C304 only, repair broken weld on port side transmission mount.

3.2.1.4.1 Contractor Furnished Parts

- (1) Two (2) Nose Plate, Drawing 6227758
- (2) Four (4) Adapters,
- (3) Four (4) Stop, Latch, Access Door
- (4) Eight (8) Nut, Plane, Plate

3.2.2 Phase II - Inspection, Testing, and Acceptance

Inspection, testing, and acceptance of the AAV's shall be conducted in accordance with TM 09674A-25&P/4B and ANSI/ISO/ASQC Q9003-1994. Any deficiencies discovered will be corrected by the Contractor.

3.2.3 Phase III – Packaging, Handling, Storage, and Transportation (PHS&T)

a. The contractor shall be responsible for preservation and packaging of items being repaired under the terms of this SOW. Items scheduled for long-term storage shall be in accordance with the level A requirements of ATPD-2241. Items scheduled for domestic shipment for immediate use, overseas shipment or short-time storage with the exception of Maritime Prepositioned Forces (MPF), shall be to level B, Drive-on/Drive-off. Items prepared for level B, Drive-on/Drive-off scheduled for overseas shipment shall have a label affixed which reads "NOT FOR WEATHER DECK STORAGE". Items scheduled for MPF shall be prepared to level B, Modified Drive-away

(1) The terms Drive-On/Drive-Off and MPF Drive-away are defined as follows:

(a) Drive-on/Drive-off - Batteries shall be hot and disconnected from vehicle electrical system, terminals and leads shall be taped. Fuel tank shall be filled $\frac{1}{4}$ full of JP5/8. The air intake, exhaust and brake systems, drive train and gauges shall be de-preserved.

(b) MPF Drive-away – Batteries shall be hot and connected to the vehicle electrical system. Fuel tank shall be filled $\frac{3}{4}$ full of JP5/8. The air intake, exhaust and brake systems, drive train and gauges shall be de-preserved. Fire Extinguisher bracket and seat shall be installed.

b. Marking for shipment and storage shall be in accordance with MIL-STD-129.

c. The Marine Corps shall provide the Contractor with the shipping address(es) for delivery of the repaired equipment. The Contractor shall be responsible for arranging for

shipment to the predesignated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor's facility.

3.3 Configuration Management

a. The Contractor shall apply configuration control procedures to established configuration items. The Contractor shall not implement configuration changes to an item's documented performance or design characteristics without, prior written authorization. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request For Deviation, (RFD). MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

b. The creation and submission of RFDs shall be accomplished using MEARS CREATE software, which resides at a secure web site, <https://mearsweb.redstone.army.mil>. The contractor shall request User-ID and password privileges from the contracting activity for the purpose of gaining access to the web site and creating RFDs. MEARS CREATE privileges for the contractor shall be limited to two representatives and shall provide their e-mail address to the contracting agency upon request. The contractor shall notify the contracting activity by electronic mail when completed MEARS RFDs are ready for formal submission and review. The contractor shall direct technical or functional questions concerning usage of MEARS CREATE software to the contracting activity for guidance.

3.4 Government Furnished Equipment (GFE) and Government Furnished Materiel (GFM)

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into a product being manufactured/ remanufactured under a contract/SOW. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity at MARCORLOGBASEALB (MCA/Code 827-2) will coordinate required GFE and will maintain a central control on Marine assets in the Contractors possession. The Management Control Activity will forward a GFE Accountability Agreement to the Contractor Facility for signature to establish a chain of custody and property responsibility for Marine Corps assets.

3.5 Contractor Furnished Materiel (CFM)

The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINST 4491.2A). In the event that CFM is required for repair parts, the contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6. Quality Assurance Provisions

3.6.1 The performance of the Contractor's quality of work performed, material provided and documents written shall be subject to in-process review and inspection by the MARCORLOGBASEALB representative during contract performance. Inspection may be accomplished at any work location. The MARCORLOGBASEALB (Code 834-1) representative requires at a minimum, two weeks notice of acceptance test to allow for sufficient time for the

MARCORLOGBASEALB representative to witness the test if he or she desires. Inspection by the MARCORLOGBASEALB representative of acceptance tests, materials and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

3.6.2 The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994. The Contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by the MARCORLOGBASEALB representative. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such inspection, it shall be the Contractors's responsibility to ensure that the entire system meets the performance requirements of this SOW.

4.0 Report/Documentation:

4.1 Report/Documentation that is required:

The Contractor shall provide a monthly Production Status Report summarizing the progress and status of each RAM/RS AAVP7A1 covered under this SOW to Life Cycle Management Center (Code 834-1), Marine Corps Logistics Bases, 814 Radford Blvd., Suite 20302, Albany, Georgia 317004-3020

(i) *Data Item*

OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 11C hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operation and Policy, Paperwork Project, (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract PR No. listed in Block E

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:	
		TDP	TM OTHER X

D. SYSTEM/ITEM AAVP7A1 RAM/RS	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Production Status Report	Monthly Production Status Report

4. AUTHORITY <i>(Data Acquisition Document No.)</i> DI-MGMT-81255	5. CONTRACT REFERENCE SOW 4.1	6. REQUIRING OFFICE MCLBA (834)
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY MONTHLY	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION 6 COPIES
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8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	4. ADDRESSEE								
A		See Blk 16	<table border="1"> <tr> <td></td> <td colspan="3">Final</td> </tr> <tr> <td>Draft</td> <td>Reg</td> <td>Repro</td> <td></td> </tr> </table>		Final			Draft	Reg	Repro	
	Final										
Draft	Reg	Repro									

16. REMARKS
Blk 4 - Contractor format is au horized. Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2.3, 10.2.5, 10.2.6, and 10.2.9.

Paragraph 10.2.4 and 10.2.7, replace "CLIN" with "MWSLI" (Master Work Schedule Line Item) Number.

Blks 10, 12, & 13 - The report shall be submitted on the tenth of each month. The first submission shall be 30 days after contract award.

The Production Status Report shall be transmitted via E-Mail to the following address: HoffmanRE@matcom.usmc.mil.

Distribution Statement A: Approved for public release, distribution is unlimited.

[illegible]

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
<i>SE Hoffman</i>	<i>01/12/01</i>	<i>SE Hoffman</i>	<i>01/12/01</i>

(1 Data Item)

OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed forms to the Government Issuing Contracting Officer for the Contract No. listed in Block E.

17. PRICE GROUP	
18. ESTIMATED TOTAL PRICE	

G. PREPARED BY <i>W. J. B. [Signature]</i>	H. DATE <i>10/12/01</i>	I. APPROVED BY <i>[Signature]</i>	J. DATE <i>10/12/01</i>
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